

CLAIMS:

1. An electrically conductive resinous composition
composed mainly of an electrically conductive carbon powder
5 and a binding agent, wherein
said binding agent is a mixture of a thermoplastic
resin and a carbodiimide compound.
2. An electrically conductive resinous composition as
10 defined in Claim 1, wherein the mixture consists of 100
parts by mass of the thermoplastic resin and 0.001-50 parts
by mass of the carbodiimide.
3. An electrically conductive resinous composition as
15 defined in Claim 1 or 2, wherein the electrically conductive
carbon powder is one which has a mean particle diameter of
10 to 500 μm , and the amount of the electrically conductive
carbon powder is 100-1000 parts by mass for 100 parts by
mass of the thermoplastic resin.
- 20 4. A fuel cell separator which is molded from the
electrically conductive resinous composition defined in any
of Claims 1 to 3, wherein the fuel cell separator has on one
side or both sides thereof grooves through which an
25 oxidizing gas or fuel gas is supplied, the fuel cell
separator also has a specific resistance not higher than 200
 $\text{m}\Omega \cdot \text{cm}$.
5. A process for producing a fuel cell separator from an
30 electrically conductive resinous composition composed mainly
of an electrically conductive carbon powder and a binding
agent (which is a mixture of a thermoplastic resin and a
carbodiimide compound), said fuel cell separator having on
one side or both sides thereof grooves through which an
35 oxidizing gas or fuel gas is supplied, said process
comprising the step of:

